



MISSOURI DEPARTMENT OF NATURAL RESOURCES
MISSOURI OIL AND GAS COUNCIL

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

☒ APPLICATION TO DRILL ☐ DEEPEN ☐ PLUG BACK ☒ FOR AN OIL WELL

NAME OF COMPANY OR OPERATOR

WESTERN ENGINEERING

DATE

FEB 5 / 5-1990

ADDRESS

Route 1 HIGHWAY 58

CITY

Belton

STATE

MO

ZIP CODE

67012

DESCRIPTION OF WELL AND LEASE

NAME OF LEASE

Clarke-Berry Belton Unit

WELL NUMBER

1 A

ELEVATION (GROUND)

1097.7

WELL LOCATION

(GIVE FOOTAGE FROM SECTION LINE)

2475 FT. FROM (N) SECTION LINE 2475 FEET FROM (E) (W) SECTION LINE

WELL LOCATION

SECTION

16

TOWNSHIP

46N

RANGE

33W

COUNTY

CASS

NEAREST DISTANCE FROM PROPOSED LOCATION TO PROPERTY OR LEASE LINE 2475 FEET

DISTANCE FROM PROPOSED LOCATION TO NEAREST DRILLING, COMPLETED OR APPLIED - FOR WELL ON THE SAME LEASE 206 FEET

PROPOSED DEPTH

850'

DRILLING CONTRACTOR, NAME AND ADDRESS

Rare Drilling Belton MO

ROTARY OR CABLE TOOLS

Rotary

APPROX. DATE WORK WILL START

FEB 12, 1990

NUMBER OF ACRES IN LEASE

517.21

NUMBER OF WELLS ON LEASE, INCLUDING THIS WELL, COMPLETED IN OR DRILLING TO THIS RESERVOIR 22

NUMBER OF ABANDONED WELLS ON LEASE

IF LEASE PURCHASED WITH ONE OR MORE WELLS DRILLED, FROM WHOM PURCHASED?

NAME MARATHON OIL COMPANY

ADDRESS Tulsa OK

NO. OF WELLS: PRODUCING 20

INJECTION 1

INACTIVE 1

ABANDONED -

STATUS OF BOND

☐ SINGLE WELL
AMOUNT \$

☒ BLANKET BOND

AMOUNT \$ 20,000

☒ ON FILE

☐ ATTACHED

REMARKS. (IF THIS IS AN APPLICATION TO DEEPEN OR PLUG BACK, BRIEFLY DESCRIBE WORK TO BE DONE, GIVING PRESENT PRODUCING ZONE AND EXPECTED NEW PRODUCING ZONE; USE BACK OF FORM IF NEEDED.)

PROPOSED CASING PROGRAM

APPROVED CASING - TO BE FILLED IN BY STATE GEOLOGIST

AMOUNT	SIZE	WT/FT	CEM.	AMOUNT	SIZE	WT/FT	CEM.
20'	6 1/4		5 SACS	20'	6 1/4		5 SACS
200'	2 7/8		20 SACS	200'	2 7/8		20 SACS

I, the undersigned, state that I am the Geologist of the WEST (company), and that I am authorized by said company to make this report, and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct, and complete to the best of my knowledge.

SIGNATURE

Jeffrey A. Taylor

DATE

FEB. 5, 1990

PERMIT NUMBER

#20521

APPROVAL DATE

11/7/90

APPROVED BY

James H. Williams

☒ DRILLER'S LOG REQUIRED

☒ E-LOGS REQUIRED IF RUN

☒ CORE ANALYSIS REQUIRED IF RUN

☒ DRILL STEM TEST INFO. REQUIRED IF RUN

☐ SAMPLES REQUIRED

☐ SAMPLES NOT REQUIRED

☐ WATER SAMPLES REQUIRED AT

NOTE: THIS PERMIT NOT TRANSFERABLE TO ANY OTHER PERSON OR TO ANY OTHER LOCATION

APPROVAL OF THIS PERMIT BY THE OIL AND GAS COUNCIL DOES NOT CONSTITUTE ENDORSEMENT OF THE GEOLOGIC MERITS OF THE PROPOSED WELL NOR ENDORSEMENT OF THE QUALIFICATIONS OF THE PERMITTEE.

I, _____ of the _____ Company confirm that an approved drilling permit has been obtained by the owner of this well. Council approval of this permit will be shown on this form by presence of a permit number and signature of authorized council representative.

DRILLER'S SIGNATURE

DATE

Missouri Oil and Gas Council

Form OGC-4

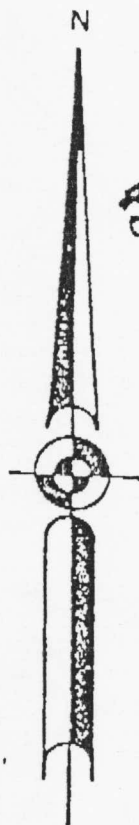
WELL LOCATION PLAT

Owner: WESTERN ENGINEERING

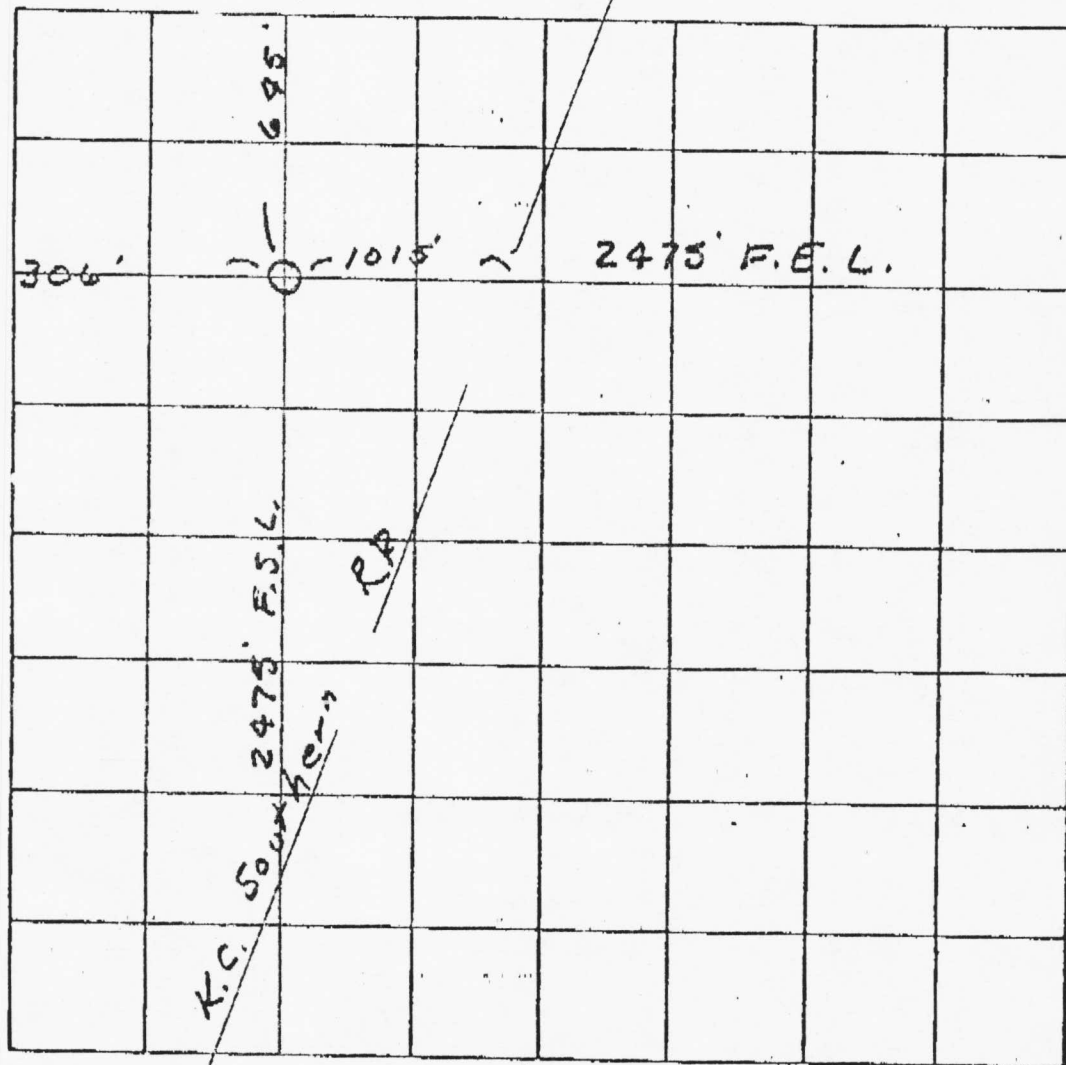
Lease Name: Clarke-Berry

County: Cass

2475 feet from S section line and 2475 feet from E section line of Sec. 16, Twp. 46N., Range 33
(N) (S) #4,0 (E) (W)



SCALE
1" =



South Line SE 1/4

REMARKS: PART OF THE Patton unit. Boundary lines are the
South Section Line and East Section Line (ST)

INSTRUCTIONS

On the above plat, show distance of the proposed well from the two nearest section lines, the nearest lease line, and from the nearest well on the same lease completed in or drilling to the same reservoir. Do not confuse survey lines with lease lines. See rule 10 CSR 50-2.030 for survey requirements. Lease lines must be marked.

This is to Certify that I have accurately located oil and gas wells in accordance with CSR 50-2.030 and that the results are correctly shown on the above plat.



Remit two copies to: Missouri Oil and Gas Council
P.O. Box 250, Rolla, MO 65401
One will be returned.

Larry G. Knudsen LS 1760



MISSOURI DEPARTMENT OF NATURAL RESOURCES
MISSOURI OIL AND GAS COUNCIL
WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG

Form OGC-5

☒ NEW WELL ☐ WORKOVER ☐ DEEPEN ☐ PLUG BACK ☐ INJECTION ☐ SAME RESERVOIR ☐ DIFFERENT RESERVOIR ☒ OIL ☐ GAS ☐ DRY

OWNER <i>KANSOURI PIPELINE CO</i>		ADDRESS <i>RT 1 HIGHWAY 58 Belton MO</i>	
LEASE NAME <i>CLARKE - BERRY</i>		WELL NUMBER <i>CB 1A</i>	
LOCATION <i>2475 FSL 2475 FSL SE 1/4</i>		SEC. TWP. AND RANGE OR BLOCK AND SURVEY <i>16 46N 33W</i>	
COUNTY <i>CASS</i>	PERMIT NUMBER (OGC-3 OR OGC-31) <i>20521</i>		
DATE SPUNDED <i>FEB 13, 1990</i>	DATE TOTAL DEPTH REACHED <i>FEB 14, 1990</i>	DATE COMPLETED READY TO PRODUCE OR INJECT <i>OCT 13, 1990</i>	ELEVATION (DF, RKR, RT, OR Gr.) FEET <i>1097.7 61</i>
TOTAL DEPTH <i>700'</i>	PLUG BACK TOTAL DEPTH <i>682'</i>	ELEVATION OF CASING HD. FLANGE FEET <i>1099</i>	
PRODUCING OR INJECTION INTERVAL(S) FOR THIS COMPLETION <i>566-644</i>		ROTARY TOOLS USED (INTERVAL) TO <i>700'</i>	CABLE TOOLS USED (INTERVAL) <i>—</i>
WAS THIS WELL DIRECTIONALLY DRILLED? <i>NO</i>	WAS DIRECTIONAL SURVEY MADE? <i>NO</i>	DRILLING FLUID USED <i>AIR</i>	DATE FILED <i>—</i>
TYPE OF ELECTRICAL OR OTHER LOGS RUN (LIST LOGS FILED WITH THE STATE GEOLOGIST) <i>GRN - CCL</i>			DATE FILED <i>2/4/91</i>

CASING RECORD

CASING (REPORT ALL STRINGS SET IN WELL - CONDUCTOR, SURFACE, INTERMEDIATE, PRODUCING, ETC.)

PURPOSE	SIZE HOLE DRILLED	SIZE CASING SET	WEIGHT (LB. FT)	DEPTH SET	SACKS CEMENT	AMOUNT PULLED
<i>Production</i>	<i>5 5/8</i>	<i>2 7/8</i>		<i>682</i>	<i>87</i>	

TUBING RECORD

LINER RECORD

SIZE	DEPTH SET	PACKER SET AT	SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
<i>1" IN.</i>	<i>550 FEET</i>	<i>— FEET</i>	<i>— INCH</i>	<i>— FEET</i>	<i>— FEET</i>	<i>—</i>	<i>— FEET</i>

PERFORATION RECORD

ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

NUMBER PER FOOT	SIZE AND TYPE	DEPTH INTERVAL	AMOUNT AND KIND OF MATERIAL USED	DEPTH INTERVAL

INITIAL PRODUCTION

DATE OF FIRST PRODUCTION OR INJECTION <i>OCT 29, 1990</i>		PRODUCING METHOD (INDICATE IF FLOWING, GAS LIFT, OR PUMPING — IF PUMPING, SHOW SIZE AND TYPE OF PUMP.) <i>Pumping 1 1/2" 4' Brass insert 661 Pump</i>					
DATE OF TEST <i>OCT 30</i>	HOURS TESTED <i>24</i>	CHOKE SIZE <i>—</i>	OIL PRODUCED DURING TEST <i>3</i> bbls.	GAS PRODUCED DURING TEST <i>—</i> MCF	WATER PRODUCED DURING TEST <i>1</i> bbls.	OIL GRAVITY <i>24 API (CORR.)</i>	
TUBING PRESSURE	CASING PRESSURE	CAL'D RATE OF PRODUCTION PER 24 HOURS <i>3 65/5</i>	OIL <i>3</i> bbls.	GAS <i>—</i> MCF	WATER <i>1</i> bbls.	GAS OIL RATIO	

DISPOSITION OF GAS (STATE WHETHER VENTED, USED FOR FUEL OR SOLD)
used for fuel

METHOD OF DISPOSAL OF MUD PIT CONTENTS
Pit Dried up & WAS Covered

CERTIFICATE: I, THE UNDERSIGNED, STATE THAT I AM THE *Geologist* OF THE *Western Engineering* COMPANY, AND THAT I AM AUTHORIZED BY SAID COMPANY TO MAKE THIS REPORT AND THAT THIS REPORT WAS PREPARED UNDER MY SUPERVISION AND DIRECTION AND THAT THE FACTS STATED THEREIN ARE TRUE, CORRECT AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DATE *FEB 1, 1991* SIGNATURE *Jeff Taylor* MO Oil & Gas Council

* SHOW ALL IMPORTANT ZONES OF POROSITY, DETAIL OF ALL CORES, AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES.

FORMATION	TOP	BOTTOM	DESCRIPTION (SEE * ABOVE)
BASE KC		247	
FORT SCOTT	446	506	
Squirrel	506	650	
TD		682	

20-1 1/2" COULD BE ON PARKER

18- SEATING NIPPLE 575'
9' PERF. NIPPLE
2 7/8 U.S.

14- SEATING NIPPLE 590' CTI
6.6' PERF. NIPPLE
2 3/8 L.P.

ABBEY - DUNLAP

COUNTY ROAD

RECEIVED

FEB 0 1991

Oil & Gas Council

C-5-C.S. 577 - 7" *
WASH TO 650'

WASH TO 650'
WASH TO 650'
WASH TO 650'

WASH TO 650'

C-22 - C.S. 553' - 4 1/2" - (NEED TO LOG)
C-1 - C.S. 576' - 4 1/2" - (NEED TO LOG)
C-14 - C.S. 559' - ? - (NEED TO LOG)

CLARKE BEERY
3-C - C.S. 586. - 4 7/8

9 - 2 7/8 - 2 3/8 - LINER 510'

THORN RR